

GENERIC NAME:

BUMETANIDE

BRAND NAME: Bumex

CLASS: Loop diuretic

Mechanism of Action:

Inhibits electrolyte reabsorption in the ascending loop of Henle leading to diuresis

Indications and Field Use:

Pulmonary edema
Congestive heart failure

Contraindications:

Hypersensitivity
Anuria
Electrolyte deficiencies
Hepatic coma
Cautious use: hepatic cirrhosis, ascites, history of gout, hypersensitivity to furosemide

Adverse Reactions:

Dizziness (most common), headache, muscle cramps
Hypotension
EKG changes associated with hypokalemia, hyponatremia, hypocalcemia, hypomagnesemia
Nausea, vomiting, diarrhea, dry mouth, ringing in ears

NOTES ON ADMINISTRATION

High doses or frequent administration, particularly in the elderly, can cause profound diuresis, hypovolemia, and resulting circulating collapse with development of thrombi and emboli.. May precipitate hypokalemic-induced digoxin toxicity.

Incompatibilities/Drug Interactions:

NSAIDs reduce diuretic effect
May increase blood levels of lithium increasing risk of lithium poisoning
Potentiates effects of various antihypertensive drugs

Adult Dosage:

0.5 to 1.0 mg IV slowly over 1 to 2 minutes, or IM

Onset of Action:

IV – immediate

Peak Effect:

IV – 15 to 30 minutes

Duration of Action:

2 to 4 hours

Arizona Drug Box Supply Range:

If furosemide is not available: 4 – 8 vials of 1 mg/4 mL (0.25 mg/1mL)

Special Notes:

Bumetanide does not have the vasodilatory effects of furosemide
Patients allergic to sulfa drugs may show hypersensitivity
May cause a reduction of blood supply to developing fetus
Safety and effectiveness in pediatric patients is not established
1.0 mg bumetanide = 40 mg furosemide